

Work Order ID 60479

July 13, 2010 7:40:14 AM



Page 1

Item ID: D3965-4

Accept



Setup Start



Revision ID:

Stop



Item Name: Bearing, Spherical

Start Date: 7/13/10

Start Qty: 10.00



Cust Item ID:

Required Date: 7/15/10

Req'd Qty: 10.00



Customer:

Reference:

Approvals:

Process Plan: CL

Date: 10/7/13 Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr

Revision Nbr

D3965

Rev A

100

0.00



Purchasing

Memo

0.00

PURCHASING

Issue P/O: 12235

Purchase Part Number: 63215K32 or 63215K52

Possible Supplier: McMaster

Material release note is required

CL 10/7/13 (10)

110

Receive & Inspect for Damage & Mat'l Certs

0.00



Packaging

Memo

0.00

Packaging

10/7/14 (10)

W/O:			WORK ORDER CHANGES					
DATE	STEP		PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:			WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP		Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
				Initial Chief Eng	Action Description Chief Eng	Sign & Date			



NOTE: Date & initial all entries




Work Order ID 60479

July 13, 2010 7:40:14 AM

Page 2

Item ID:	D3965-4	Accept		Setup	Start	
Revision ID:					Stop	
Item Name:	Bearing, Spherical					
Start Date:	7/13/10	Start Qty:	10.00		Cust Item ID:	
Required Date:	7/15/10	Req'd Qty:	10.00		Customer:	
Reference:						

Approvals:	Process Plan:	Date:	Tooling:	Date:	Run	Start	
	QC:	Date:	SPC (Y/N):	Date:		Stop	

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120  QC Quality Control	QC6- Inspect dimensions to drawing Memo	0.00 0.00	S1010714			(X/D)			
130  Packaging Packaging	Identify as per dwg & Stock Location: 104 Memo	0.00 0.00							Pack/14 (D)
140  QC Quality Control	QC21- Final Inspection - Work Order Release Memo	0.00 0.00							mf 10-7-19

W/O:			WORK ORDER CHANGES					
DATE	STEP		PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:			WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP		Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
				Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Page 1

July 13, 2010 7:40:13 AM

Work Order ID: 60479



Parent Item: D3965-4



Parent Item Name: Bearing, Spherical


Start Date: 7/13/10

Required Date: 7/15/10

Start Qty: 10.00

Required Qty: 10.00

Comments: IPP RevA: New issue DD verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
63215K32  Spherical Bearing		Purchased	No			110	Each	0.0000	1	10		7/14/10	

W/O:			WORK ORDER CHANGES					
DATE	STEP		PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

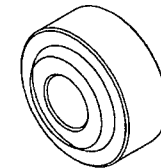
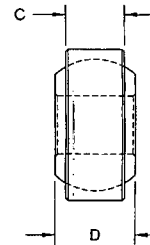
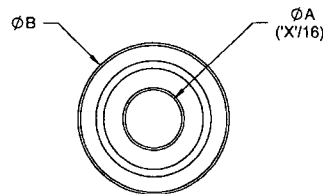
Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:			WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP		Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
				Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

SPECIFICATION CONTROL DRAWING

C21017113
W10.60479



D3965-X BEARING, SPHERICAL

WHERE 'X' IS I.D. IN 1/16" OF AN INCH
EG Ø 1/4" (4/16") I.D. BEARING = D3965-4

DIMS SWITCHED CP 10.07.14

DART P/N	SUPPLIER	SUPPLIER P/N	A	B	C	D	STATIC RADIAL LOAD CAP. lbs
D3965-3	McMASTER-CARR	63215K31	0.188	0.563	0.281	.219	3,975
D3965-4	McMASTER-CARR	63215K32 OR 63215K52	0.250	0.656	0.344	0.250	6,040
D3965-5	McMASTER-CARR	63215K53	0.313	0.750	0.375	0.281	8,750
D3965-6	McMASTER-CARR	63215K34	0.375	0.813	0.406	0.313	10,540

RELEASED
09/08/25 NTP

NOTES:

- 1) MATERIAL: 440C STAINLESS STEEL WITH PTFE LINER
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: N/A

A		NEW ISSUE		RF	09.07.09
REV.	DESCRIPTION			BY	DATE
DESIGN	RF	DART AEROSPACE LTD		REV. A	
DRAWN	RF	HAWKESBURY, ONTARIO, CANADA		SHEET 1 OF 1	
CHECKED	RF	DRAWING NO.		REV. A	
MFG. APPR.	RF	D3965		SCALE	
APPROVED	RF	TITLE		NTS	
DE APPR.	RF	BEARING, SPHERICAL		NTS	
DATE		09.07.09		COPYRIGHT © 2009 BY DART AEROSPACE LTD	
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Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PO REPRINT

Purchase Order ID PO12235

Purchase Order Date 7/13/10

PO Print Date 7/13/10

Page Number 1 of 1

Order From :

VU-MCM001

MCMaster-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
US

Contact Name
Vendor Phone 330 995 5500
Vendor Fax 330 995 9600
Vendor Account Nbr

Buyer Chantal Lavoie
Requisition Nbr
Tax Resale Nbr 10127-2607
Terms Net 30
Currency USD
FOB

Ship To : DART AEROSPACE LTD 1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

FAXED
6/20/10

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req. Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	63215K52	Bearing Spherical	7/15/10 Yes	✓ 10.00 Each	Purolator ground	\$16.9700 \$16.67	\$169.70
		Special Inst:	AS PER DWG D3965 REV. A B60479 MCMaster P/N: 63215K52				
2		8474T999 INDIVIDUAL CHARATER LETTER"D"	7/19/10 Yes	5.00	Purolator ground	\$4.3500	\$21.75

Deliver To: LINDA

Special Inst: 8474T999 INDIVIDUAL CHARATER,
LETTER "D" FOR
8474T3 BUILD-A-MESSAGE
RUBBER STAMP SET
5 EACH PER PACK

PO Total: \$191.45

CERTIFICATE OF CONFORMITY
REQ'D UPON DELIVERY

Change Nbr: 3

Change Date: 7/13/10

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

200 Aurora Industrial Parkway
Aurora OH 44202
330-995-5500
le.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Order Placed By
Chantal

07/13/2010

McMaster-Carr Number
4097626-01

Line	Description	Ordered	Shipped
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2	63215K52 Stainless Steel Ball Joint Swivel Bearing, PTFE Lined, 1/4" ID, 21/32" OD, 11/32" Overall Width Your Part Number: YOUR LINE 1	10 Each	10
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Unit Price: \$16.67
Extended Price: \$166.70

Sid 07/14

3 - 483 - 02 07-01 K52 10 EA

Expected to ship

1	8474T999 Individual Charater, Letter "D" for 8474t3, Build-A-Message Rubber Stamp Set, 5 Each Per Pack	5 Packs	5 to ship by 07/27
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Charges for this shipment

Merchandise Amount:	\$166.70
Sales Tax:	\$8.34
Total:	\$175.04

Certificate of compliance

This is to certify that the above items were supplied in accordance with the description and as illustrated in the catalog.

Jason Wolfe

Jason Wolfe
Compliance Manager

Dart Aerospace Ltd

EXP

Sm
12x7x5



1 lb
1 line

FW1WBP33
07/13/2010
10:51:10.12
302
Cycle 23

0119936553631

